

In the claims:

1 1. (Currently Amended) A fluid quick connector comprising:
2 a connector housing configured to [mate with] receive an endform;
3 a retainer mounted in the connector housing to releasibly latch the
4 endform in the connector housing; and
5 an electrical contact mounted separately from the retainer in the
6 connector housing between the housing and the endform for establishing electrical
7 contact between an outer surface of endform and the connector housing.

1 2. (Currently Amended) The fluid quick connector of claim 1
2 wherein the electrical contact comprises:
3 an electrically conductive annular body having an outer diameter
4 disposing the body in contact with an inner diameter of the bore in the connector
5 housing; and
6 [a] at least one radially inward extending [contact member] projection
7 carried on the [electrical contact] body adapted to engage the male endform [where]
8 when the endform is mounted in the bore in the connector housing.

1 3. (Original) The fluid quick connector of claim 2 wherein:
2 the at least one projection comprises a plurality of circumferentially
3 spaced projections.

1 4. (Original) The fluid quick connector of claim 3 wherein:
2 the plurality of circumferentially spaced projections comprises at least
3 three projections.

1 5. (Currently Amended) The fluid quick connector of claim 3
2 wherein the plurality of projections are equi-circumferentially spaced about an inner
3 surface of the [annual] annular body.

1 6. (Currently Amended) The fluid quick connector of claim 1
2 wherein the electrical contact comprises:
3 an electrically conductive top hat mountable in a bore of the connector
4 housing for holding a seal element in the bore, the top hat having an inner bore
5 receiving the endform; and
6 [the contact member being] at least one radially inward extending
7 projection carried on the top hat adapted to engage the endform when the endform is
8 inserted into the bore in the connector housing.

1 7. (Original) The fluid quick connector of claim 6 wherein:
2 the at least one projection comprises a plurality of circumferentially
3 spaced projections.

1 8. (Original) The fluid quick connector of claim 7 wherein:
2 the plurality of circumferentially spaced projections comprises at least
3 three projections.

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1 9. (Original) The fluid quick connector of claim 7 wherein the
2 plurality of projections are equi-circumferentially spaced about an inner surface of
3 the top hat.

1 10. (Currently Amended) The fluid quick connector of claim 1
2 wherein the electrical contact comprises:
3 a spacer mounted in the bore about the endform; and
4 [the contact member being] at least one radially inward extending
5 projection carried on the spacer adapted to engage the endform when the endform is
6 inserted into the bore in the connector housing.

1 11. (Original) The fluid quick connector of claim 1 further
2 comprising:

3 the connector housing and the endform being electrically conductive.

1 12. (Currently Amended) A fluid quick connector comprising:
2 a connector housing configured to [mate with] receive an endform;
3 a retainer mounted in the connector housing to releasibly latch the
4 endform in the connector housing;

5 a spacer the spacer mounted in a through bore of the connector
6 housing [about] between the male endform [to] and the connector housing; and
7 an electrical contact member carried on the spacer for establishing
8 electrical contact between the endform and the connector [body] housing.

1 13. (Currently Amended) The fluid quick connector of claim [11]
2 12 wherein the contact member comprises:
3 the spacer formed of an electrically conductive material; and
4 at least one radially inward projection carried on the spacer adapted to
5 engage the endform where the endform is mounted in the bore in the connector
6 housing.

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1 14. (Currently Amended) The fluid quick connector of claim 13
2 wherein:
3 the at least one projection [of the contact member] comprises a
4 plurality of circumferentially spaced projections.

1 15. (Original) The fluid quick connector of claim 13 wherein:
2 the plurality of circumferentially spaced projections comprises at least
3 three projections.

1 16. (Currently Amended) A fluid quick connector comprising:
2 [the] an electrically conductive connector housing configured to receive
3 [and the] an electrically conductive endform [being electrically conductive];

4 a retainer mounted in the connector housing to releasibly latch the
5 endform in the connector housing;

6 a top hat separate from the retainer, the top hat mountable in a bore of
7 the connector housing for holding [the] a seal element in the bore, the top hat
8 receiving the endform therethrough, the top hat formed of an electrically conductive
9 material; and

10 [the] an electrical contact member [being] defining at least one radially
11 inward extending projection carried on the top hat adapted to engage the endform
12 when the endform is inserted into the bore in the connector housing.

1 17. (Original) The fluid quick connector of claim 16 wherein:
2 the at least one projection comprises a plurality of circumferentially
3 spaced projections.

1 18. (Original) The fluid quick connector of claim 16 wherein:
2 the plurality of projections comprises three circumferentially spaced
3 projections.

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1 19. (Currently Amended) A fluid quick connector comprising:
2 a connector housing configured to [mate with a] receive an endform
3 along a first axis;
4 the connector housing and the endform being electrically conductive;
5 a retainer mounted in the connector housing to releasibly latch the
6 endform in the connector housing;
7 a spacer and a top hat disposed in a through bore in the connector
8 housing about the endform and separate from the retainer; and
9 an electrical contact member carried on one of the spacer and the top
10 hat for establishing electrical contact between the endform and the connector [body]
 housing.

1 20. (Original) The fluid quick connector of claim 19 further
2 comprising:
3 at least one of the spacer and the top hat formed of an electrically
4 conductive material; and
5 the electrical contact member being a radially inward projection carried
6 on one of the spacer and the top hat adapted to engage the endform where the male
7 endform is mounted in the bore in the connector housing.

1 21. (Original) The fluid quick connector of claim 20 wherein:
2 the at least one projection comprises a plurality of circumferentially
3 spaced projections.

1 22. (Original) The fluid quick connector of claim 21 wherein:
2 the plurality of circumferentially spaced projections comprises at least
3 three projections.

1 23. (Currently Amended) An electrical contact for a fluid quick
2 connector having a connector housing configured to [mate with] receive an endform
3 latched in the housing by a retainer, the electrical contact comprising:
4 an electrically conductive body adapted to be disposed in a bore of a
5 connector housing axially separate from the retainer about an endform inserted into
6 the housing to establish electrical contact between the endform and the connector
7 housing.

1 24. (Currently Amended) The electrical contact of claim 23 further
2 comprising:
3 the electrically conductive body having an outer diameter disposing the
4 body in contact with an inner diameter of the bore in the connector housing; and
5 [At] at least one radially extending contact projection carried on the
6 body adapted to engage the endform where the endform is mounted in the bore in the
7 connector housing.

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1 25. (Original) The electrical contact of claim 24 wherein:
2 the at least one contact projection comprises a plurality of
3 circumferentially spaced contact projections.

1 26. (Original) The electrical contact of claim 25 wherein:
2 the plurality of circumferentially spaced contact projections comprises
3 at least three contact projections.

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1 27. (Original) The electrical contact of claim 25 wherein the
2 plurality of contact projections are equi-circumferentially spaced about an inner
3 surface of the contact body.
